

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
**(Under 37 CFR 1.97(b) or 1.97(c))**

Docket No.  
**BUR920030116US1**

In Re Application Of: **Mark C. Hakey et al.**

Serial No.

*10/207, 894*

Filing Date

*01/21/04*

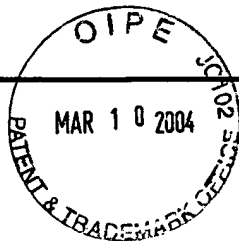
Examiner

Unassigned

Group Art Unit

Unassigned

Title: **LIQUID-FILLED BALLOONS FOR IMMERSION LITHOGRAPHY**



Address to:

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**37 CFR 1.97(b)**

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

☐ the statement specified in 37 CFR 1.97(e);

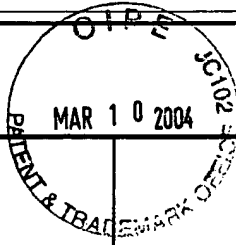
**OR**

☐ the fee set forth in 37 CFR 1.17(p).

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Docket No.  
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Group Art Unit

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**LIQUID-FILLED BALLOONS FOR IMMERSION LITHOGRAPHY**

**Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of \_\_\_\_\_ is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. **09-0456** as described below.
- ☐ Charge the amount of \_\_\_\_\_
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.

**Certificate of Transmission by Facsimile\***

I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (F:

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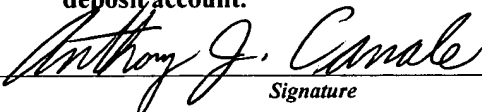
**Certificate of Mailing by First Class Mail**

I certify that this document and fee is being deposited on **03/08/04** with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Signature of Person Mailing Correspondence

**C. M. WELLES**  
Typed or Printed Name of Person Mailing Certificate

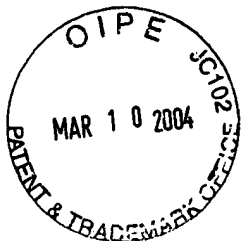
**\*This certificate may only be used if paying by deposit account.**

  
Signature

**Anthony J. Canale, Reg. No. 51,526**  
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**IBM Corporation**  
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**Essex Junction, VT 05452**  
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Dated: **02/27/2004**

cc:



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
PATENT APPLICATION

Applicant: Mark C. Hakey et al.  
Confirmation No.: Art Unit: Unassigned  
Serial No.: 10/707894 Examiner: Unassigned  
Filed: 01/21/2004 Atty. Docket: BUR920030116US1  
Title: LIQUID-FILLED BALLOONS FOR IMMERSION LITHOGRAPHY

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR 1.56, 1.97, 1.98**

Honorable Commissioner of Patents and Trademarks  
Alexandria, VA 22313-1450

Sir:

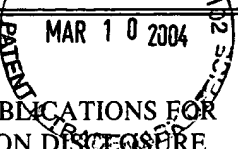
Applicants submit herewith form PTO-1449, listing patents, publications, or other information of which they are aware which they believe may be material to patentability pursuant to 37 CFR 1.56(b), and in respect of which there may be a duty to disclose under 37 CFR 1.56(a), together with legible copies of the patents, publications, or other information listed.

While the items submitted with this Information Disclosure Statement may be material to patentability pursuant to 37 CFR 1.56, in accordance with 37 CFR 1.97(h) it shall not be construed to be an admission that any patent, publication, or other information cited is "prior art" or is material to patentability for this invention unless specifically designated as such. In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other information material to patentability, as defined in 37 CFR 1.56(b), exists.

Respectfully submitted,

Date: 02/27/2004

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FORM PTO-1449 (Modified)  LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)		ATTY. DOCKET NO. BUR920030116US1	SERIAL NO. Unassigned <i>10/707894</i>
	APPLICANT: Mark C. Hakey, et al.		
		FILING DATE: <i>01/21/04</i> Concurrently Herewith	GROUP: Unassigned

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPRO.)
	US2002/0163629 A1	11/7/2002	Switkes et al.			
	US2002/0101655 A1	8/1/2002	Greenwald et al.			
	5,900,354	5/4/1999	Batchelder			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

## OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

		<i>M. Switkes et al., "Immersion Lithography: Optics for the 50 nm Node" (Lincoln Lab presentation), 9/4/02</i>
		<i>M. LaPedus', news summary for Silicon Strategies, "ASML, Canon, Nikon take dip into immersion litho", 2/27/03</i>
		<i>M. LaPedus', news summary for Silicon Strategies, "University shows feasibility of immersion lithography", 2/27/03</i>
		<i>M. LaPedus', news summary for Silicon Strategies, "TSMC pursues immersion lithography for IC production", 4/22/03</i>
		<i>GEEK.com, article by Sander Olsen "Immersion lithography could be a godsend to chipmakers" (plus attached email comments), 4/22/03</i>

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.